



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the First Tuesday of each month.



PUBLIC SERVICE EVENTS

Interested in helping? Visit
<http://www.rars.org/public-service.php>

frequently for our 2015
ham public service
schedule.

Also see [page 19](#) for more info.

RARS General Meeting

Topic: Raspberry Pi. By Tadd Torborg, KA2DEW

Date: July 14, 2015

Time: Meeting at 7:30 p.m.

Informal gathering and refreshments from 7 - 7:30 p.m.

Where: Ridge Road Baptist Church. 2011 Ridge Rd., Raleigh

New HAM / Elmer meeting, 6:00 p.m. before member meeting

Tadd Torborg, KA2DEW, Elmer Coordinator

[Click here for more information.](#)

President's Message

Field Day has come and gone. There was a huge effort from Dennis NC4DK, the Band Captains, and all the volunteer members who made it work. We could have used a few more operators to give some relief to the ones who were on the radio for hours at a time. The GOTA station looked busy with interested visitors most of the time. We had some excitement with the wind, rain and lightning, but it could have been worse. Most of the stations were pretty busy up to the end. I saw some new operators at the stations transmitting and logging – a good sign. The food

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RARS Officers

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VICE PRESIDENT

Tom Lewis
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Bob Chew
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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: **Second** Tuesday of each month

Location: Ridge Road Baptist Church 2011
Ridge Road Raleigh, NC, 27607

Time: People begin arriving at 7 p.m. The meeting officially begins at 7:30 p.m.

RARS Monthly Dinner

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the Golden Corral Restaurant, 6129 Glenwood Ave., Raleigh. Informal and Dutch, just bring your appetite and best rag to chew. 73, Chuck, K4HF

RARS Repeaters in Raleigh

146.640 & 443.625 (88.5 PL)

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

VE Testing

The RARS VEs will accept walk-in testing in February, May, August and November at 5:30PM, prior to RARS membership meetings at Ridge Road Baptist Church; the RARSFest in April; the Cary Swapfest in July; the JARS-Fest in November; and following RARS license classes. Please bring a photo ID, your original and a copy of your current license, your \$14 exam fee, and any valid CSCEs that prove passing elements beyond that of your current license. Visit www.rars.org for more information.

President's Message continued

was outstanding on both Friday and Saturday nights – we may have some repeat performances from those chefs.

And, no one got hurt.

Amateur Radio, pass it on

73

Murray, K4MHM

Education Director

The General Class course finished with 12 students taking the course. The Technician Class course starts Jul 11 - 12 students have already pre-registered. Another General starts Aug 8. These will be the last times this year that these courses will be held. The one-and-only Amateur Extra Class course will start Oct 3 – the official announcement will be out soon. Contact Murray, K4MHM at: education@rars.org for more information or questions.



RARS New Members

Sina Bahram	KM4KRR
Mike Dillard	KM4BJV
John Gentry	KM4KRS
Fin Gold	KM4KRT
Tyler Haske	KM4KRU
Jeffrey Olander	KM4KRW
Stephen Pegg	KM4KRX
Cale Simpson	KM4KRY
Jason Swarts	KM4KRZ
Glenn Taylor	KM4KSA
Ryan Massie	KM4KRV
Pat Walker	No License
Brandon Joyner	KM4JPU

RARS July Birthdays

Stan	KC4JH	07/01
James	KE4DRN	07/03
Tony	KM4JQZ	07/04
Brooks	K4BRX	07/05
Cale	KM4KRY	07/05
Doug	K1DUG	07/06
Bill	N9JLP	07/06
Eugene	KD4YJX	07/06
Bruce	K6BDH	07/07
Bill	N1ULP	07/08
Cathy	KA3QPU	07/09
John	AI4RT	07/10
Doug	AD4UL	07/14
Giff	KC4SAM	07/15
Jerry	WA1WHD	07/15
Bill	K4MWB	07/16
Lowell	K4EUP	07/17
Bob	K4RLC	07/19
Frank	KI4HFZ	07/24
Ferdinand	AD4RC	07/25
Tom	KM4DVG	07/26
Charles	WB4DCM	07/26
Chuck	WB4TNC	07/26
William	K4CIA	07/28
Meme	KE4NGM	07/28
Dave	W4YDY	07/29
Darryll	KJ4BJX	07/29
Tim	W4TRB	07/30
Scott	KJ4TUC	07/30
Bob	KI4YXM	07/30
Alexander	KM4IIZ	07/31
Tilia	KM4CMQ	07/31

The Tar Heel Scanner/SWL SIG

The Tar Heel Scanner/SWL SIG group met on May 18 at Red Hot and Blue restaurant on Falls of Neuse Road in Raleigh.

The next meeting will be held on July 20 at Red Hot and Blue. We'll meet for a meal at 6:30 and the meeting will begin at 7:30 and end at 9:00. For more information and announcements for the upcoming meeting, see the [Tar Heel Scanner/SWL SIG Yahoo Group](#).

73, Kelly AE4FG

Help RARS at Amazon

Amazon will donate 0.5% of the price of your eligible AmazonSmile purchases to Raleigh Amateur Radio Society whenever you shop on AmazonSmile. Select Raleigh Amateur Radio Society as the charitable organization after signing in.

[Go to smile.amazon.com](http://smile.amazon.com)

Thanks,
Greg KE4PAX
RARS Treasurer

Deepest Sympathies

Bob Breyer, K1RCB passed away on Thursday, March 5, 2015. Bob was very active with RARS before moving to Indiana several years ago. He and his wife Marian were honorary members of RARS. Marian died May 25, 2014. More information can be found at the Randall & Roberts Funeral home [web-site](#). A donation will be made to Bitner Foundation in name of Bob Breyer, K1RCB.

Greg Seamster KE4PAX
RARS Treasurer

The ARRL Letter Tops 100,000 Subscribers!

For the first time in its 33-year history, The ARRL Letter -- the League's weekly e-newsletter -- has exceeded 100,000 subscribers. The tally for the June 25, 2015, edition was 100,139. The ARRL Letter is distributed free to all ARRL members who opt to receive it via their membership profile.

Copied from the July 2 [ARRL letter](#)

Deepest Sympathies

From Charlie's son and Max, KO4TV we learn that long time RARS Member Charlie Brown, W4VFJ of Wake Forest passed away May 30, 2015 after a long illness. Charlie was an avid CW operator, enjoyed traffic handling, assisted the RARS License Exam team, operating at Field Day and attending hamfests. Charlie was always friendly on and off the radio. Our sympathies go to his family and friends. A donation has been made to the Bitner Foundation in his name.

[Obituary link.](#)

Chuck, K4HF

DX Information

There is a lot of DX News on the internet. The weekly DX from the ARRL is at this website www.arrl.org/w1aw-bulletins-archive-dx

This website has a list of DX operations. www.his.com/~wfeidt/Misc/adxo.html

This website shows real time openings on each band.

www.dxmaps.com/spots/map.php

2015 Hamfests and conventions

07/11/2015 | [30th Annual Firecracker Hamfest](#)

Location: Salisbury, NC

Type: ARRL Hamfest

Sponsor: Rowan Amateur Radio Society

Website: www.rowanars.org

07/18/2015 | [Mid-Summer SWAPFEST](#)

Location: Cary, NC

Type: ARRL Hamfest

Sponsor: Cary Amateur Radio Club

Website: www.qsl.net/n4nc

09/05/2015 | [Roanoke Division Convention \(Shelby Hamfest\)](#)

Location: Shelby, NC

Type: ARRL Convention

Sponsor: Shelby Amateur Radio Club

Website: shelbyhamfest.org

09/25/2015 | SEDCO W4DXCC

Location: Pigeon Forge, TN

SEDCO DX Convention

Website: www.w4dxcc.com/index.html

New HAM / Elmer meeting, 6:00 p.m. before member meeting

Tadd Torborg, KA2DEW, Elmer Coordinator

The New Hams meeting is held every month before the regular RARs meeting. We'll try to start by 6pm. We try to address topics in a manner that will be of help to hams in their first year of operation.

June New-Hams meeting

During the June meeting we had a hands on demonstration of crimping several types of connectors including lugs and Andrews PowerPole connectors onto DC power leads. We had two different crimpers and several new hams as well as some old hams who had never used the Andrews PowerPole connectors.

July New Hams meeting

In the July new Hams meeting starting at 6 PM before our regular meeting, we'll do some soldering with a Weller 140watt gun, and a Weller temperature controlled 70 watt soldering station. We'll also have some hand-tools to mess around with.

July regular RARS meeting

After the business meeting I'm going to be doing a presentation on using the Raspberry PI to build packet radio networks. I'll do a power point presentation with a half dozen slides talking about the history of packet radio and the different variants that exist today. Then I'll go into the presentation on the network several RARS members and I have been building.

73 and see you on Tuesday. For the new Hams meeting, we'll either be in the main meeting room, or we'll have signs or somebody directing traffic at around 6pm to help you find us.

Tadd / KA2DEW

tadd@mac.com

Raleigh NC FM05pv

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Tadd Torborg, KA2DEW



Attaching PowerPole connectors at the June New-Hams meeting.



Latest version of the Raspberry PI called Raspberry PI 2 Model B



Packet radio network node built with Raspberry PI and TNC-PI

Pictures by Tadd KA2DEW

RARS Participates in ARRL Field Day 2015

On June 27th and 28th, RARS once again assembled a team to participate in the 2015 edition of ARRL Field Day. For the 18th consecutive year the event was held at the farm of Jim (N4CAE) and Beth (KF4QMR) Carroll in the Friendship community southwest of Apex. This year's RARS entry was in the 9A category.

The RARS Field Day team consisted of Dennis Keith (Chair), Marty Young (W4MY), Dave Eckert (KB8V), Steve Jenkins (W4MGT), Paul Stroud (AA4XX), Andy Peterson (AA9P), Curt Phillips (W4CP), Bob Starkenburg (W4TTX), and Tadd Torborg (KA2DEW), James Marolda (KE4DRN), Paul Mobus (KE4TMN), and Charles Good (KM4AMT).

The team arrived on the site on Friday, June 26th, and began the chore of installing towers and antennas for the various bands. A 30-foot tower was erected to support a 10/15/20 tri-band beam for Phone. Another tri-bander for CW was installed on Marty's AB-577 "Rocket Launcher" tower. Various dipoles and doublets were strung through the trees and from the towers for the lower bands. Two antenna triplexers were used, one for Phone and one for

CW. These devices allow the tri-band beams to be used on three different radios on three different bands simultaneously. After the antenna and radio installation and a quick interference test the crew was treated to a fantastic meal of grilled chicken, beans, potato salad, corn on the cob, and deviled eggs skillfully prepared by chef Gordon, Marty's son.

In a break from the usual layout for Field Day, this year's event saw all of the stations except Digital assembled under one 20 x 30 tent as opposed to the former layout of a separate tent for each station. The CW stations were aligned along one wall with the Phone and GO-TA stations along the other. This allowed for much more interaction between the various stations. Several operators had opportunities to operate on multiple stations during the event.

On Saturday morning the team again arrived and turned the normally quiet and serene Carroll farm into a buzz of activity. Final rig checks were made and the Welcome Station and signage were set up. The event got underway at 2:00 pm (1800 UTC). Things went well until

2:30, when torrential rains and 44 mph winds along with a thunderstorm caused a break in the action. The crew sprung quickly into action fabricating end flaps for the tent. The storm eased up enough to get back on the air by shortly after 3:00.

Dinner was served at 5:00 pm. Again, we broke from the tradition of pork and chicken barbecue and were treated to a fine selection of sandwiches, sides, and desserts from Jason's Deli. There was plenty of food to feed everyone for dinner as well as for overnight snacks and Sunday lunch. Many thanks to Vianne Pendleton, XYL of Dale, (W4AUV) for once again coordinating a great meal.

At 6:00 pm the second round of rain and thunderstorms arrived, this time accompanied by a tornado warning mere miles from the site near the Lee/Chatham county line. Again, RARS was off the air while everyone wisely took shelter in the garage at the Carroll home. Around 8:00 we were up and running again. The rains caused a drop in temperature, making for a very comfortable Saturday night and Sunday. With a few exceptions the bands were open throughout the night and on Sunday. Paul Mobus (KE4TMN) manned the Na-

tional Traffic Service station, sending multiple traffic messages originated from the site.

Dr. Jim Boehner (N2ZZ), the ARRL Roanoke Division Director, paid a visit to our site on Sunday morning and had positive comments on the layout.

At 2:00 pm on Sunday Field Day came to an end. All of the gear was packed away and the antennas and towers were disassembled. By 6:00 pm the Carroll farm was returned to its peace and serenity for another 363 days.

There were 24 names on the visitors list but more than that attended.

As RARS Field Day Chair, I would like to offer my heartfelt thanks and appreciation to those members who volunteered as band captains as well as those helping with food coordination, welcome station, and traffic nets. Also to the other amateurs who helped to operate one or more of the stations. Field Day truly requires a team effort and RARS came through in a big way this year.

73, Dennis Keith, KC4DK

Field Day Chair



RARS ARRL Field Day Pictures



FD pictures by Charles Good, KM4AMT



FD pictures by Fin Gold, KM4KRT

RARS ARRL Field Day Pictures



Field Day pictures by Harold Solomon

RARS ARRL Field Day Pictures



Field Day pictures by Tadd Torborg, KA2DEW

FCC Invites Comments on Proposed Rules for New LF and MF Amateur Allocations

The FCC is inviting comments on its recent proposals to authorize Amateur Radio operation on two new bands -- an LF allocation at 135.7 to 137.8 kHz (2200 meters), and an MF allocation at 472-479 kHz (630 meters). Amateur Radio would be secondary on both bands. Comments are due August 31. Reply comments -- ie, comments on comments filed -- are due by September 30. The FCC allocated 135.7 to 137.8 kHz to the Amateur Service in accordance with the Final Acts of the 2007 World Radio-communication Conference (WRC-07). The proposed new allocation at 472 to 479 kHz would implement decisions made at WRC-12.

Copied from the July 2 [ARRL letter](#).

Amateur Radio Parity Act of 2015 Introduced in the US Senate

A companion Amateur Radio Parity Act of 2015 bill has been introduced in the US Senate. Mississippi Republican Sen Roger Wicker introduced S. 1685 on

June 25, with Connecticut Democratic Sen Richard Blumenthal as the initial co-sponsor. The Senate bill joins an identical measure in the US House, H.R. 1301, which was introduced in March by Illinois Republican Rep Adam Kinzinger. Both measures would direct the FCC to extend its rules relating to reasonable accommodation of Amateur Service communications to private land-use restrictions.

Copied from the July 2 [ARRL letter](#).
Read the July ARRL letter for more information.

DKARS Magazine #13, July 2015

Every month the Dutch Kingdom Amateur Radio Society publishes a ham radio magazine. It is not copyrighted so it can be passed on to anyone. Here is a link to it, [DKARS](#).

More information about DKARS is available at this link, [DKARS General](#).

73 Tom, N4TL

Minutes

Raleigh Amateur Radio Society Board of Directors Meeting May 19, 2015

Present: Bob K4YXM, Murray K4MHM, Chuck K4HF, Raymond KK4OOQ, Joanne AK4RJ, Tom N4TL, Greg KE4PAX, Dennis Keith NC4DK

Regrets: None

Guest: Ken KI4OTO

1. Call to order (Murray K4MHM): The meeting was called to order at 7:05 pm.
2. A quorum was present
3. There was no change to the agenda.
4. Approval of minutes (Murray K4MHM): The minutes of the April 21, 2015 meeting were approved as corrected.
5. Vice President's report (Tom N4TL): Tom reported that all programs are set for the remainder of the year. Tom will not attend the June 9th general meeting.
6. Treasurer's report (Greg KE4PAX): Greg reported that RARS has 406 members, of these, 30 are complementary memberships. Checks for RARSFest accounts payable have been mailed. One has yet to be cashed. Greg outlined the donations that RARS makes to other organizations that are currently in our budget. There was a motion that we accept the planned donations as outlined by Greg. The motion passed.
7. Secretary's report (Bob K4YXM): No report
8. Committee reports:
 - a. Public Service Director (John AI4RT): No Report
 - b. Education Director (Murray K4MHM): General class is being completed. All classes have settled locations.
 - c. Public Information Officer (Charles KM4AMT): No Report.
 - d. Immediate Past President (CJ NC4CJ): No report.
 - e. Director-at-Large (Bill AK4BL): No report
 - f. Director-at-Large (Raymond KK4OOQ): No Report
 - g. ARRL liaison Chuck K4HF: No Report
 - h. ARRL NC Section Mgr. (Karl W4CHX): No Report
 - i. Scouting Coordinator (Charles KM4AMT): No report
 - j. FM Repeater Chair (Karl W4CHX): No report.

- k. Exciter Chair (Tom N4TL): Needs input by May 28th.
- l. Food Service Chair (Joanne AK4RJ). No Report
- m. Webmaster (Hank K4HM): No Report.
- n. RARS Fest: (vacant):
- o. Field Day Chair (Dennis NC4DK): We will have a large tent courtesy of Raleigh Internal Medicine. Dennis reviewed ongoing preparations and plans for Field Day.
- p. North Carolina QSO Party (Marty W4MY): Awards have been shipped.
- q. W4DW/W4RNC Trustee (Jeff AC4ZO): No report
- r. Net Manager (Mary KG4OQA): No report

9. Old business:

- a. Murray encouraged Board members to review and update their job descriptions and procedures.
- b. Club Logo: The Board needs to decide which logo the club will use and if RARS will pay to have the logo established on the Land's End website. Dennis will investigate logos and make a report at the next board meeting.
- c. RARS donation policy. Murray reviewed the proposed policy. The board approved the proposed policy as modified. Murray will make the required modifications
- d. Club shirts: Joanne AK4RJ reviewed the cost material that she assembled with the board. The consensus of the board was that we should settle on an official club logo. A decision on shirts will be deferred until after the logo is settled.
- e. Review of proposed budget: Greg presented the proposed budget for 2015-2016. There was extended discussion of the budget. The board voted to recommend the budget to the membership for acceptance.

10. New business:

- a. RARS "Condolences" Policy. The proposed policy was reviewed and suggested changes were incorporated and approved by the board.
- b. Awards committee. Murray asked Chuck K4HF to "write up" the process for selecting the awards committee
- c. Nominating committee. Murray asked Chuck K4HF to "write up" the process for selecting the nominating committee
- d. Financial Review Committee: Greg noted that the Financial Review Committee needs to be selected. The review will be conducted after the June bank statement has been received.

11. Adjournment (Murray K4MHM): The meeting was adjourned at 9:18 pm.

Respectfully submitted,

Bob Chew, K4YXM

RARS Secretary

MINUTES

Raleigh Amateur Radio Society General Membership Meeting June 9, 2015

1. Call to order: Murray K4MHM called the meeting to order at 7:30 PM. There were 51 members in attendance which constituted a quorum.
2. Approval of minutes. The minutes of the general membership meetings of May 12, 2015 were approved as presented.
3. Introduction of new members and guests, Rob KM4JER (VE3ROB), Greg KM4KSB, and Kim Young XYL of Marty W4MY.
4. Health and Welfare: Murray read several notes regarding RARS's expression of condolences from families of Jack Foster, N6UYB (SK); Nola Alderman, KD4OL and Charlie Brown, W4VFJ. Chuck K4HF announced the passing of Bill Lambert, AK4H.
5. Secretary's report (Bob K4YXM) no report
6. Treasurer's report (Greg KE4PAX): Greg reported that RARS currently has 420 members. He provided a financial report. If anyone has any questions please contact Greg KE4PAX or Murray K4MHM for additional information. Greg reviewed the proposed budget for 2015-2016 as recommended to the members by the Board of Directors. A motion was made and seconded to accept this budget. The motion passed.
7. Vice President's report: No report.
8. Reports and announcements from RARS Board members and others:
 - a. Public Service: In John's AI4RT absence, Murray asked people to go to the RARS web site, review upcoming events and sign up.
 - b. Education: Murray reported that there are twelve students in the current General Class. A Tech class is scheduled to start July 11th.
 - c. PIO/Scouting: Murray encouraged people to become "Subject matter Experts".

8. Gift Raffle: Smitty K4ACS and Dennis AJ4HK.
9. Program: Dennis NC4DK presented our plans for Field Day.
10. Adjournment: The meeting was adjourned at approximately 9:05 PM. Murray asked all new members to come to the front of the room so all could greet them personally.

Respectfully submitted,

Bob K4YXM

RARS Secretary.



Future RARS 2015 Meeting Topics

August 11, Uninterruptible power supplies (UPS).

By Mike Jackson from Eaton Corporation

September 15, 2014 World Radiosport Team Championship

By Nate Moreschi, N4YDU, President of PVRC-NC

Titles, topics, and speakers subject to change.

Current Public Service Opportunities

To volunteer for a Public Service event please complete the form at

<http://www.rars.org/public-service.php>

The Ham Public Service Net meets on Wednesday at 7:30 pm on the Carolina 440 Link System. We use the following repeaters:

441.725(+)(100) – Raleigh, NC Hub

443.450 (+)(100) – Cane Mt., Snow Camp, NC

444.325 (+)(100) – Holly Springs, NC

444.375 (+)(100) - Henderson, NC

444.550 (+)(100) – Coats, NC

444.775 (+)(100 – Cary, NC

444.875 (+)(100) – Wendell, NC

145.330 (-)(100) – Goldsboro, NC

442.250 (+)(107.2) - McCain/Southern Pines, NC

444.200 (+)(179.9) - Johnsonville, NC

444.025 (+)(100) - Benson, NC

442.425 (+)(100) - Buxton, NC

(The net is also accessible through IRLP Reflector 9210)

The Ham Public Service Yahoo Group link is: Ham Public Service North Carolina

FIRECRACKER 50/100K

July 4th, 2015 - Saturday - Cary, NC

Our traditional 4th of July cycling event. Join us for the 23rd Annual July 4th Firecracker Ride as over 900 cyclists gather to celebrate Independence Day and support the Greater Carolina's Multiple Sclerosis (MS) Society with a scenic ride through Wake, Chatham and Harnett Counties. Ham Volunteers are needed to help provide communication and safety for this event. We need volunteers for SAGs and Rest Stop Monitors. The Hibernian Restaurant and Pub will host a post-ride party that should not be missed!

* Ham Coordinator: John AI4RT

* Location: Net Control - Hibernian Pub parking lot, 1144 Kildaire Farm Rd., Cary, NC 27511

* Time: Operators meeting 7:00 am - Net Control.

* To Volunteer fill out the form at this [link](#).

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VELO 4 YELLOW

July 18, 2015 - Saturday - Wake Forest, NC

Come join us at the Wake Forest Carolina Ale House as Velo4Yellow hits the road for its Fourth Annual Bike Charity Ride. Proceeds from Velo4Yellow will benefit LIVESTRONG in the fight against cancer. Riders can choose from 3 routes: 30, 60, or 100 miles along the scenic country roads north of the Triangle. Enjoy the ride with stocked rest stops, SAG vehicles, medical & mechanical support. Post ride celebration will include a buffet and live music presented by the Carolina Ale House. Ham Volunteers are needed for SAGs and Rest Stop Monitors.

* Ham Volunteer Coordinator: John ai4rt

* Location: Carolina Ale House, 11685n Northpark Dr., Wake Forest, NC 27587

* Time: Operators Meeting - 6:30 am

* To Volunteer fill out the form at this [link](#).

CUP N CONE TOUR

July 25, 2015 - Saturday - Cary, NC

Come celebrate two of our favorite things: Cycling and the best frozen treats in the Triangle. Maple View Farm ice cream or Goodberry's Frozen Custard? Volunteer for the 11th annual Cup 'n Cone Tour and then decide.

Benefits the MS Society.

* Ham Volunteer Coordinator: John ai4rt

* Location: Panther Creek High School, 6770 McCrimmon Pkwy., Cary, NC 27519

* Time: Operators Meeting 6:45 am

* To Volunteer fill out the form at this [link](#).

BIKEFEST 2015

August 8, 2015 - Saturday - Hillsborough, NC

* To Volunteer fill out the form at this [link](#).

BABYMOON PASTA RIDE

August 15, 2015 - Saturday - Raleigh, NC

* To Volunteer fill out the form at this [link](#).

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FIVE-O-RIDE

August 23, 2015 - Sunday - Raleigh, NC

* To Volunteer fill out the form at this [link](#).

2015 MS BIKE RIDE

September 12-13, 2015 - Saturday/Sunday - New Bern, NC

* To Volunteer fill out the form at this [link](#).

TOUR d'ORANGE

September 19, 2015 - Saturday - Hillsborough, NC

* To Volunteer fill out the form at this [link](#).

CFF CYCLE FOR LIFE

September 26, 2015 - Saturday - Raleigh, NC

* To Volunteer fill out the form at this [link](#).

NCBC FALL RALLY

October 18, 2015 - Sunday - Holly Springs, NC

* To Volunteer fill out the form at this [link](#).

..... Here are some events from our friends in the Charlotte area....

I know most of what is discussed here is not from my part of the state, down near Charlotte, but I wanted to pass along some of our Public Service events as well - in case anyone happens to be traveling in the area and wants to help out, or maybe there are some members of the group from the area as well!

April - September:

CCTTA (Carolina Cycling Time Trial Association)

This event is held once a month at the Charlotte Motor Speedway. We run this event using a Simplex frequency and handhelds work great. The events normally start at 6:30 pm, so we need to be in place on the track by 6:00 pm.

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July 8 (Wednesday)
August 5 (Wednesday – This is the Team Night Event)
September 2 (Wednesday)

October 17 - 18
MS Society Break Away to the Beach at Sunset Beach, NC

October 24
Cystic Fibrosis Cycling Event in Waxhaw, NC.

The most versatile pieces of equipment for working as a ham volunteer during public service events are as follows:

PRIMARY EQUIPMENT

- * Dual band (144/440) 25 watt (min) mobile transceiver
- * A 1/2-5/8 wave well grounded dual band mobile antenna

EXTRAS THAT ARE HELPFUL

- * Dual Band (144/440) hand held transceiver
- * Extra set of charged batteries
- * Ear phones & speaker mic or boom mic/headphone set
- * Higher gain antenna than the supplied rubber duck. For example Comet BN-24 or SMA-24 or Diamond RHF40 or SRH77CA. There are also many other hi-gain HT antennas available.

Remember to keep those batteries charged and earplugs handy and check back to this site and Carolina Helping Hams frequently for upcoming events. Hope to see you during one of the events.

73,
John - AI4RT

Scouting

We are going to have a JOTA station Oct 17. The location will be at the Occoneechee Council Headquarters in Raleigh. The setting is great and plenty of room for the stations, scouts and parking. The patio has 2 picnic tables, a receptacle close by, and some space for the scouts to be at the stations. Being where it is, we hope to have a good turnout. We will coordinate with other JOTA stations in the area so we don't have dead air. We will be operating HF and 2 meters. Charles KM4AMT and Murray K4MHM will be there, but

they would also like some help – let Scouting Coordinator, Charles at KM4AMT@arrl.net, know if you can give them a hand. We are trying to start a new generation of hams.

We also need a multi-band portable HF antenna.

We are in need of Subject Matter Experts for the three BSA Merit Badges RARS will be instructing. Paul Stroud, AA4XX, has stepped up. We need more RARS members in order to “be prepared” for when the scouts need us. Contact Charles.

Upcoming Contests

July 11 -- FISTS Summer Sprint

July 11-12 -- IARU HF World Championship (CW, SSB)

July 11-12 -- SKCC Weekend Sprintathon

*Note: Always check the official rules from the contest sponsor to find the actual dates. More information can be found at these websites.

www.arrl.org/contests www.hornucopia.com www.rars.org/ncqsoparty

<http://www.cq-amateur-radio.com>

RARS Classifieds

Copied from www.rars.org/classifieds.php

The items below were listed within the last 30 days.

AM-FM Boston Acoustic receptor radio

Posted July 6th, 2015 by: N4TL

Contact: n4tl2@yahoo.com

For sale AM-FM Boston Acoustic receptor radio with manual. Full information is listed at this website. The radio I have for sale does not have the audio input. \$30.

http://www.crutchfield.com/S-z55YfCDL4dG/p_065BRADIOC/Boston-Acoustics-Recepter-Radio-Charcoal.html

73 Tom, N4TL

Yaesu FT-8900R

Posted July 3rd, 2015 by: W4ZWA

Contact: zackalexander@w4zwa.com

Yaesu FT-8900R - \$340.00/Shipped

Bought two months ago to use mobile, only transmitted on it twice. Radio, mic, mounting hardware, short power cable, and separation cable included. Will also included a NMO Mounting if you require such, just add the antenna. Located in Johnston County between 40/42 and 50/210 area.

MFJ-1786 or MFJ-1788 Super HF Base Station Hi-Q Loop Antenna \$75

Posted June 18th, 2015 by: KI4RK

Contact: ki4rk@arrl.net

MFJ-1786 or 1788 HF Base Station Loop Antenna \$75. Not sure which model this is, from an estate. No control box included. Very Good condition and guaranteed working. MFJ makes two models of this antenna, the 1786 and the 1788. More info can be seen at this URL.

<http://www.mfjenterprises.com/Product.php?productid=MFJ-1786>

and at

<http://www.mfjenterprises.com/Product.php?productid=MFJ-1788>

Contact Kirk Ellis KI4RK, mobile 919-273-9994 or via email.

For Sale, vintage Gonset 2 band shortwave converter

Posted June 18th, 2015 by: N4TL

Contact: n4tl2@yahoo.com

For Sale, vintage Gonset 2 band shortwave converter designed to work with a tube type AM Car radio. The car radio has to be tuned to 1000 Khz. The converter is a Gonset 3003 Police, Marine, C.A.P. Converter. It's listed in the 1958 Radio Shack catalog on page 78 for \$49.50. I tested this converter with an ARBE-III Battery eliminator and it works. The filaments take 6.3 VDC and the Plates 135 to 200 VDC. I used a Hallicrafters SX-133 tuned to 1 MHZ on the output of the converter. My price for this working converter is \$40. Tom, N4TL, 919-870-9342, email is N4TL2@yahoo.com

For sale a vintage Morrow 5BR ham band converter

Posted June 18th, 2015 by: N4TL

Contact: n4tl2@yahoo.com

For sale a vintage Morrow 5BR ham band converter designed to work with a tube type AM car radio. The car radio has to be tuned to 1525 KHz. Originally the converter received power from the car radio and the output of the convert was connected to the antenna input of the AM radio. I tested the converter with an ARBE-III Battery eliminator and it works okay. All the tubes test good. One knob is not original. Information on it is located at K4XL's BAMA website.

<http://bama.edebris.com/manuals/>

Morrow converters are shown on page 154 of the 1955 Radio Shack catalog. It sold for \$73.45, My price for this working converter is \$40. They are selling for much more on eBay.

Tom, N4TL, 919-870-9342, email is N4TL2@yahoo.com

For Sale, Griffin PowerMate USB Multimedia Controller - shuttle wheel.

Posted June 18th, 2015 by: N4TL

Contact: n4tl2@yahoo.com

This is available on line for \$35.99. My price is \$20.00.

Tom, N4TL, 919-870-9342, email is N4TL2@yahoo.com

For Sale, Seven Day Programmable Digital timer

Posted June 18th, 2015 by: N4TL

Contact: n4tl2@yahoo.com

Unco-2 with manual. \$5.00.

Tom, N4TL, 919-870-9342, email is N4TL2@yahoo.com

Information can be found at this URL.

http://www.extech.com/instruments/resources/manuals/375475_UM.pdf

For Sale, Sangean WR-11 AM FM Analog radio

Posted June 18th, 2015 by: N4TL

Contact: n4tl2@yahoo.com

Sangean WR-11 AM FM Analog wood cabinet receiver Radio tuner. Has a high quality speaker for great sound. Also has headphone and receiver outputs. Also has an audio input jack. External antennas can be used. Walmart has this radio for \$81.93. My price is \$40.00.

Tom, N4TL, 919-870-9342, email is N4TL2@yahoo.com

For Sale, DigiWalker MIO GPS C310x

Posted June 18th, 2015 by: N4TL

Contact: n4tl2@yahoo.com

DigiWalker MIO GPS C310x with box manual mobile mount. The battery is good and the GPS works fine. I did a map update a few years ago. \$10.

Tom, N4TL, 919-870-9342, email is N4TL2@yahoo.com

For Sale, Three speed Crosley CR8005A portable turntable

Posted June 18th, 2015 by: N4TL

Contact: n4tl2@yahoo.com

Three speed Crosley CR8005A portable turntable. With instruction manual and AC power adapter. It has an internal audio amplifier. It is in a 14 by 10 by 4.5 inch Red carrying case. New condition. Target has this turntable for \$79.99. My price is \$40.

Tom, N4TL, 919-870-9342, email is N4TL2@yahoo.com

For Sale, C.CRANE, CCRadio-SP AM-FM radio.

Posted June 18th, 2015 by: N4TL

Contact: n4tl2@yahoo.com

C.CRANE, CCRadio-SP AM-FM radio. With the ac adapter. New condition, no box. Does include batteries. Sells for \$84.94 plus tax and shipping. My price is \$50.00.

Tom, N4TL, 919-870-9342, email is N4TL2@yahoo.com

For Sale, C.CRANE, CCRadio-SP AM-FM radio

Posted June 18th, 2015 by: N4TL

Contact: n4tl2@yahoo.com

CCRadio-SP AM-FM radio. New in the box, does not include batteries. Sells for \$84.94 plus tax and shipping. My Price is \$50.00.

Tom, N4TL, 919-870-9342, email is N4TL2@yahoo.com

EF Johnson 800 mhz ltr radio

Posted June 16th, 2015 by: AJ4HK

Contact: aj4hk@hotmail.com

EF. Johnson Radio-8615

The 8615 is an 800 MHz LTR mobile rig that can be modified for use as a 902 MHz receiver. This is useful for those building a 902/927 MHz repeater. For Sale EF Johnson 800mhz radio. Have mic and radio nothing else, No mounting bracket or Power cable, Need to make your own. Asking \$50.00

919-526-2860

Dennis

aj4hk

Kenwood TM-281A

Posted June 9th, 2015 by: W4ZWA

Contact: zackalexander@w4zwa.com

Kenwood TM-281A, bought two months ago, hardly used. \$120.00. Email for pictures.

zackalexander@w4zwa.com



Kenwood TS-2000 copied from the [AES website](#)
